

Section IV:
AMENDMENT UNDER 37 CFR §1.121
REMARKS

Request for Telephone Interview

Applicant requests a telephone interview with the Examiner following receipt of this reply and amendment in order to consider any suggestions Examiner may make, and to answer any questions the Examiner may have. Examiner is requested to contact applicant's agent, Robert H. Frantz, at 405-812-5613, to indicate a time and date for the telephone interview at the Examiner's convenience.

Should the Examiner agree that the present amendment and reply places the claims in a condition for allowance, this request for a telephone interview may be disregarded.

Objections to the Specification

In the Office Action, the examiner has objected to paragraph [0014] in the specification for reasons of containing grammatical errors. The present amendment corrects these errors without adding new matter. Applicant requests reconsideration and withdrawal of the objection to the specification.

Objections to the Figures

In the Office Action, the examiner has objected to the Drawings for failing to show every feature of the invention specified in the claims.

Changes to Figure 3 are proposed (shown in red in the appendix) to specify extension URL providers having a name, description supported protocol, stream handler class name, classpath, and optional classpath as a URL provider's jar file location. This is consistent with the original disclosure at paragraph [0045], so no new matter is added by this proposed change.

With respect to the step of overriding the default URL stream handler factory, this is shown already in Figure 4 as step #43, and was disclosed at paragraph [0050]. No change should be required as this step is properly shown and claimed.

With respect to showing computer readable medium and system embodiments as claimed, changes to Figures 3 and 4 are proposed to show symbolically a computer readable medium encoded with software to perform a method (38 and 400) and a computing system (39 and 401), as was disclosed as alternate embodiments in paragraph [0031] as originally filed. Paragraph [0031] is hereby amended to include reference characters to the computer readable medium symbols and system symbols in Figures 3 and 4. No new matter is introduced by the proposed changes to Figure 3 and 4 because these alternate embodiments were originally disclosed in the specification and in the claims.

Also in the Office Action, an objection to the drawings was made for containing reference characters 35 and 45 not mentioned in the description. Paragraphs [0048] and [0052] have been amended to contain these reference characters where these steps or elements are described. No new matter has been added through this change.

Rejections under 35 U.S.C. §112

In the Office Action, the examiner has rejected claims 3, 7, and 11 under 35 U.S.C. §112, second paragraph, for reasons of lack of antecedent basis for “said extension URL provider’s jar file”. This was disclosed in paragraph [0046]. The claim as originally filed included “said” with reference to “said extension URL provider”, and was not intended to read as “said ... jar file”.

Claims 3, 7 and 11 have been amended specify “a jar file” to avoid confusion. Reconsideration and withdrawal of the rejections of Claims 3, 7 and 11 is requested.

Rejections under 35 U.S.C. §1029(e)

In the Office Action, the examiner has rejected claims under 35 U.S.C. §102(e) for lack of novelty as being anticipated by U.S. Patent Number 6,763,395 to Austin (hereinafter “Austin”).

Austin discloses a method for “viewing live data such as measurement data from an instrumentation system” including providing a URL to a web browser agent from which the web browser agent may obtain the “live data”:

A system and method for viewing live data, such as measurement data from an instrumentation system, using a standard user agent or client, such as a web browser. A uniform resource locator (URL) identifying a data source is provided to the user agent. The URL includes a protocol scheme identifying the protocol to use for connecting to the data source. A protocol plug-in may be installed to enable the user agent to display a default view of a live data source. The protocol plug-in may handle the URL by returning standard HTML code to the user agent, wherein the HTML code refers to a data viewer component. The data viewer component may then connect to the data source identified by the URL and receive and display data. In one embodiment, the plug-in or the data viewer may configure the data source to begin generating the live data. ... Advantageously, users may connect to a data source and view live data from the data source in a manner similar to connecting to a traditional web HTTP server and viewing a web page, but without interacting with an HTTP server at any point.

(Austin's Abstract, emphasis added)

Austin's provided URL includes the web browser agent "plug-in" to obtain the "live data" from the URL. Thus, Austin allows the web client, not a web server, to implement a protocol which receives data from their specified URL. Likewise, Austin is completely silent as to Java Version 2 Enterprise Edition application server URL providers, extending the URL providers, or overriding default URL providers in a J2EE application server. Austin teaches away from interaction with a web server, in fact, especially in view of the Abstract and the negative claiming language of Austin's claims, such as:

12. The method of claim 1, wherein said connecting to the measurement device specified by the URL does not include connecting to a web server.

Our invention extends the capability of the application server, and especially a J2EE application server, by addressing the problem that we have disclosed (emphasis added):

[0019] The J2EE specification mandates that application server products support the use of universal resource locator (URL) resources by the applications that run in the server. URLs can have many different protocols besides the common ones, such as HTTP, FTP, file, and mailto, that are supported by the default code that is supplied with the Java Virtual Machine (JVM) libraries.

[0020] However, the J2EE specification does not state the limits of URL protocol support, and only the default URL protocols are tested for specification compliance.

...

[0042] However, the J2EE specification requires application servers to support indirect lookup of URL resources, but does not provide a method for doing this in a broad or extensible manner. If a system does not extend the standard set of URL resources

provided by the J2EE JVM, the application programs' abilities are limited to the default abilities in the JVM resource libraries, such as HTTP, FTP, "file:" and "mailto:".

Our independent claims as originally filed specified our method or system in conjunction with an application server, not with a web browser or client plug-in:

Claim 1: ...

providing one or more extension URL providers ***on an application server***, said extension URL providers each having a specified name, description, supported protocol and stream handler class name, and classpath;

binding a reference to one or more extension URL objects into a global namespace ***on said application server***,

registering said extension URL providers to be used by an application program in a table of parameter sets having a protocol identifier and a stream handler class identifier;

overriding said default URL stream handler to enable an extension URL stream handler; and

binding one or more extension URL objects ***into an application server namespace*** such that said registered extension URL providers and extension URL objects are available to and for use by an application program through an application server naming service.

Austin is silent as to these elements or steps with respect to an application server, and makes no mention of an application server namespace at all. As such, Austin's patent, does not properly anticipate the claimed invention, as it fails to disclose all the claimed steps, elements or limitations. MPEP 2131 states:

TO ANTICIPATE A CLAIM, THE REFERENCE MUST TEACH EVERY
ELEMENT OF THE CLAIM (*capitalization emphasis found in original
text*)

Further, throughout Austin's disclosure, when Austin refers to "Java" or "Java Bean", they are referring to client-side programs (e.g. their "user agent" system), not to application server functionality, and especially not to J2EE application servers.

Additionally, as shown above, Austin teaches away from interaction with an application server, and therefore it would not be obvious to combine the teachings of Austin's patent with other art in order to yield our application server URL provider extensions.

For these reasons, applicant requests reconsideration and withdrawal of the rejections of claims 1 - 12.

Section III:
AMENDMENT UNDER 37 CFR §1.121 to the
DRAWINGS

Changes to Figures 3 and 4 are proposed, shown in red ink in the Appendix of this reply, and explained in more detail in the following remarks. Replacement sheets are attached herewith incorporating the proposed changes.

Appendix:

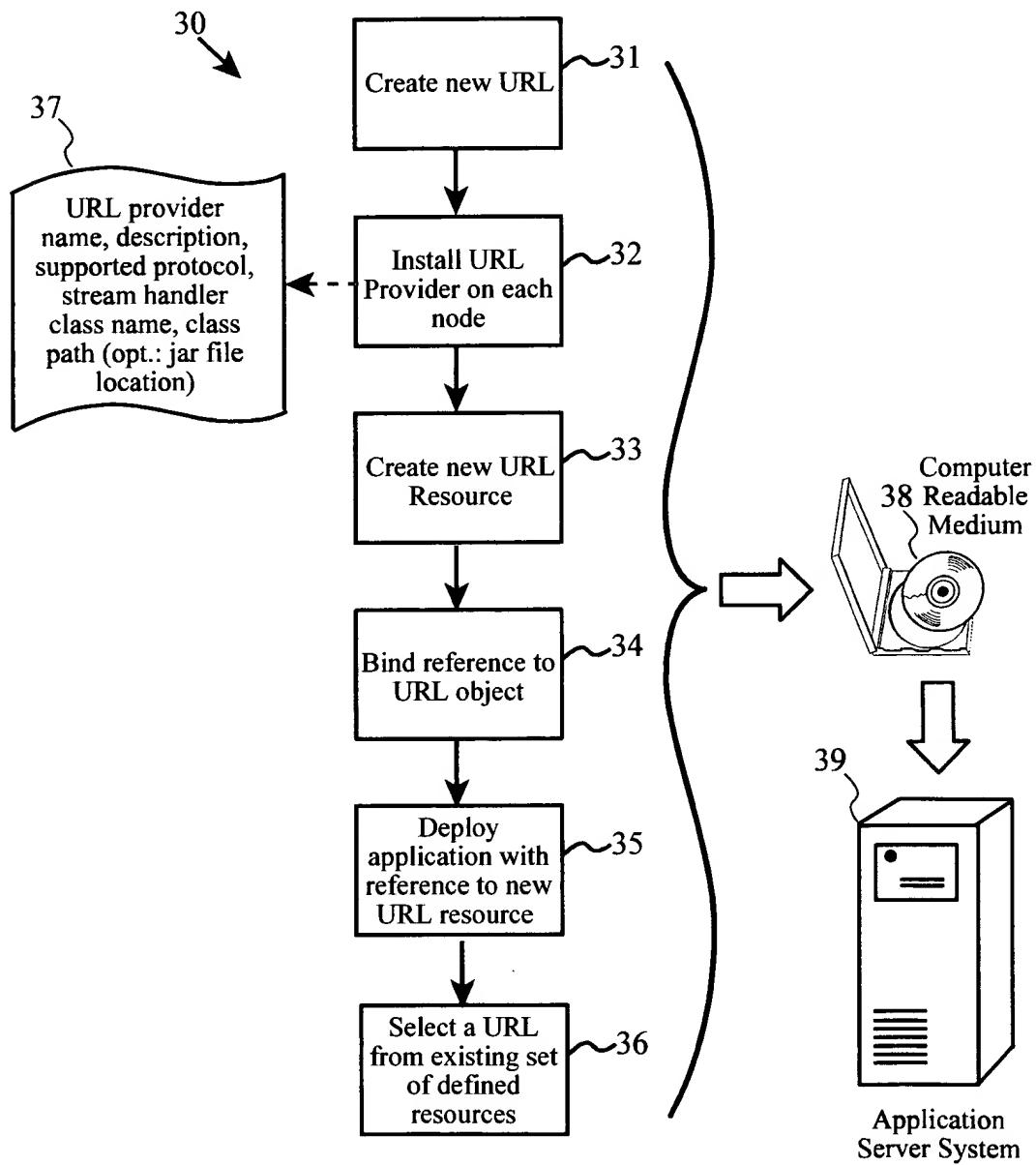
DRAWINGS SHOWING PROPOSED CHANGES IN
MARK-UP FORM USING RED INK

Figure 3



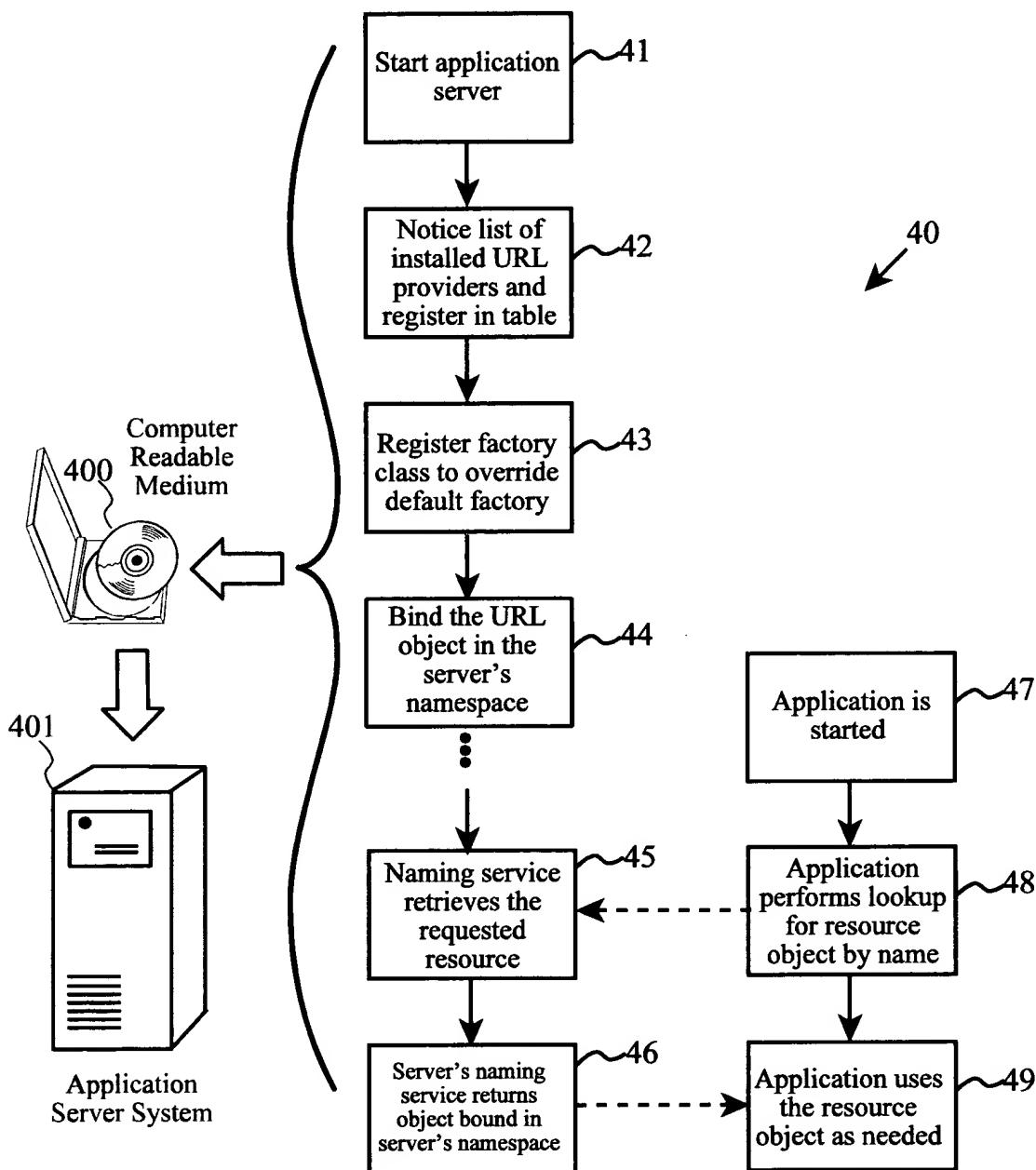


Figure 4

